



CERTIFICATE OF ANALYSIS

Product	Riboflavin
Grade	USP GRADE
Product Code	RD0470
Formula	C17H20N4O6
MW	376.37
CAS#	83-88-5
Lot No	

Test Items	Specifications	Results
Appearance	Orange yellow crystalline powder	
Identification	Positive	
Acidity or Alkalinity	Check the color of the test solution after adding the respective solutions	
Lumiflavin		
Absorbance of the filtrate at 440nm	≤ 0.025 (USP); not more intense than BY6(EP/BP)	
Absorbance A373nm/A267nm	0.31-0.33	
A444nm/A267nm	0.36-0.39	
Particle Size	100% passes through 80 mesh sieve	
Specific Rotation	-115° - -135°	
Loss on Drying	≤1.5%	
Heavy Metals	<10ppm	
Residue on Ignition	≤0.3% (USP) ≤0.1%(EP/BP)	
Organic Volatile Impurities	Method IV <467> (USP)	
Assay(Dry base)	98.0%-102.0% (USP) 97.0%-103.0% (EP/BP)	

Storage: RT. Protect from moisture.